

## Special Issue

# Recent Advances in Acquisition and Applications of Bacterial Cellulose

### Message from the Guest Editors

We are observing with concern the changing environment, the depletion of natural resources, and global warming caused by wrong human decisions. Fortunately, we still have the opportunity to have a real impact on environmental protection and sustainable development. Such a method can be, for example, the use of natural biopolymers such as bacterial cellulose in the broadly understood industry and medicine. In this Special Issue, we invite you to publish original and review papers on the latest applications of this biopolymer in various industries, e.g., as an alternative to non-degradable materials, a replacement for various materials, biodegradable packaging, or artificial tissue. Any manuscript describing the importance of bacterial cellulose for human beings, the environment, food, medicine, etc. will be very welcome. Keywords

- bacterial cellulose
- microbial polymers
- biopolymers
- health-promoting polymers
- bacterial exopolysaccharides
- sustainable development
- food technology
- food package
- edible packaging
- edible films
- biodegradable
- nanocellulose
- biocellulose

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### Guest Editors

Dr. Lidia Stasiak-Róžańska

Prof. Dr. Antoni Stanisław Pluta

Dr. Anna Berthold-Pluta

Dr. Monika Garbowska

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### Deadline for manuscript submissions

closed (31 December 2022)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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